

FIVE MORE NOVELTIES IN THE VERBENACEAE

Harold N. Moldenke

*JUNELLIA TONINII* (Kuntze) Moldenke, comb. nov.

*Verbena toninii* Kuntze, Rev. Gen. Pl. 3 (2): 258. 1898.

*LIPPIA EUPATORIUM* var. *ANGUSTIFOLIA* Moldenke, var. nov.

Haec varietas a forma typica speciei foliis angustioribus et pedunculis brevioribus differt.

This variety differs from the typical form of the species in its leaf-blades being narrower, about 3 cm. long and 5—8 mm. wide, and the peduncles shorter, 2—4.5 cm. long.

The type of the variety was collected by João Murça Pires, Nilo Tomaz da Silva, and R. Souza (no. 9652) in the cerrado between Brasília and Niquelândia, Distrito Federal, Brazil, on May 16, 1963, and is deposited in my personal herbarium at Plainfield, New Jersey. The collectors describe the plant as a shrub, with the bracts "esverdeadas", and the corollas cream-color.

*PREMNA GUILLAUMINII* Moldenke, sp. nov.

Frutex; ramis ramulisque glaberrimis gracillimis; foliis parvissimis petiolatis, laminis 0.5—1.5 cm. longis et latis rotundis vel rotundato-ellipticis utrinque glaberrimis, ad apicem obtusis vel subacutis, ad basin plerumque rotundatis; inflorescentiis parvissimis paucifloris terminalibus.

Small shrub, to 1 m. tall; branches and branchlets slender, smooth; leaves decussate-opposite, numerous, very small, petiolate; petioles extremely slender; leaf-blades chartaceous, uniformly green on both surfaces, round or rounded-elliptic, 0.5—1.5 cm. long and wide, glabrous on both surfaces, shiny, rounded or obtuse to subacute at the apex, entire along the margins, mostly rounded at the base, inconspicuously venose; inflorescence terminal, very small, few-flowered, cymose, about 1.5 cm. long and 1 cm. wide, its branches minutely puberulent; calyx cupuliform, about 2 mm. long and wide, light-colored, pulverulent on the outside, its rim plainly 5-toothed.

The type of this distinctive species was collected by André Guillaumin and M. G. Baumann-Bodenheim (no. 9615) on serpentine at the foot of Mount Kaféaté, New Caledonia, on December 22, 1950, and is deposited in the Britton Herbarium at the New York Botanical Garden.

*PREMNA GUILLAUMINII* f. *SERRATA* Moldenke, f. nov.

Haec forma a forma typica speciei laminis foliorum grosse dentatis recedit.

This form differs from the typical form of the species in having its leaf-blades coarsely dentate.

The type of the form was collected by M. G. Baumann-Bodenheim

(no. 6476) in calcareous soil at the foot of Ouen Toro near Nouméa, New Caledonia, on October 3, 1950, and is deposited in the Britton Herbarium at the New York Botanical Garden. The collector describes the plant as a bush, 30 cm. tall, and avers that it is merely a juvenile form of what he calls *P. integrifolia* L. [now known as *P. obtusifolia* R. Br.]. This seems highly unlikely because the latter has been collected in literally hundreds of widely scattered localities throughout the Pacific area, often with large series of specimens representing each collection, with never such a juvenile form found!

STACHYTARPHETA IRWINII Moldenke, sp. nov.

Frutex; ramis ramulisque dense adpresso-strigillosis; foliis oppositis vel alternato-approximatis sessilibus subcoriaceis firmis utrinque pallide flavido-viridibus ellipticis 3—5 cm. longis 1.5—2.5 cm. latis acutis vel rotundatis, ad basin cuneatis, supra subglabratis subtus dense puberulentibus; inflorescentiis spicatis densissimis 3.5—6 cm. longis.

Small shrub, about 1 m. tall; apparently with numerous erect stems or branches; branches and branchlets slender, brownish, densely appressed-strigillose with antrorse hairs; leaves opposite or subopposite to approximate-alternate, numerous, sessile, subcoriaceous, firm, light yellow-green on both surfaces, elliptic or slightly subobovate, 3—5 cm. long, 1.5—2.5 cm. wide, rounded to subacute or acute at the apex, long-cuneate at the base, serrate-dentate from below the widest part to the apex, subglabrate above, densely puberulent beneath, more or less conspicuously reticulate-veined on both surfaces; inflorescence spicate, very dense, 3.5—6 cm. long during anthesis; calyx tubular, about 1 cm. long, slightly widened above, conspicuously 5-ribbed, densely puberulent on the outside, its rim shortly 5-toothed with deltoid-triangular teeth about 0.5 mm. long; corolla hypocrateriform, metallic-blue, its tube slightly surpassing the calyx, the limb about 7 mm. wide, densely white-strigillose in the throat.

The type of this species was collected by H. S. Irwin, S. F. da Fonseca, R. Souza, R. Reis dos Santos, and J. Ramos (no. 28208) on outcrops in an area of campo, cerrado on outcrops, and wooded valleys, at an elevation of 1200 meters, about 3 km. north of São João Chapada, in the Serra do Espinhaço, Minas Gerais, Brazil, on March 24, 1970, and is deposited in my personal herbarium at Plainfield, New Jersey. It is named in honor of the senior collector, who has done such noteworthy work on the flora of Guyana, Surinam, and Brazil and to whose labors we owe so much of our present knowledge of the flora of these areas.